

### ABSTRACT

A solar powered watercraft including a pontoon section, a strut section, a deck section, and a solar canopy section is provided. The canopy section comprises a headliner layer, a ventilation space, and means for receiving solar radiation. The solar canopy may further comprise a means for flowing air through the ventilation space that includes a fan, a thermostatic switch, a photocell, air inlet ports, and air exhaust ports. The aft section of the pontoon, moreover, may possess a dual tapered design that reduces water friction and wake. The watercraft further includes means for containing a battery pack that, in turn, comprises means for removing heat and gaseous byproducts from the containing means. The containing means is either made integral with the pontoon or is attached to the pontoon's outer surface. The watercraft may possess an aft-oriented trim, which stabilizes the craft and reduces the effect of water forces.